

Marty Kane

Senior Software Engineer

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<https://github.com/mekane>

About

I am an experienced software engineer with strong technical skills, a wide range of knowledge, and proven leadership abilities.

I value collaboration, team-work, efficiency and professionalism. I have lead, architected, and contributed to the successful launch of over a dozen web site and application projects.

Languages and Technology

Favorites: JavaScript, React, Redux, Stylus, Symfony

Knowledgeable: Angular, CouchDb, CSS, Docker, Git, Grunt, HTML, Java, PHP, Relational DBs

Work History

Director of Technology / Head of Engineering, Pixo – *Sep 2016 - present*

- Direct manager of a team of roughly 15 developers, qa specialist, as well as sysadmin.
- Responsible for approach, scope, and estimation of incoming projects and sales leads.
- Led weekly developer staff meeting to facilitate team decisions and knowledge sharing.
- Led group learning topics including Clean Code, TDD, software estimation, design patterns, SOLID principles, as well as programming practice (katas).
- Established team standards for code quality, source control conventions, pair programming, and documentation. Recorded in a “developer handbook”.

Senior Lead Software Engineer, Pixo – *Jan 2014 - Sep 2016* – Urbana, IL

- As project lead, was responsible for technology choices, strategic decisions, and overall quality of software produced.
- Collaborated with other developers, project managers, UX, QA, and graphic design to implement and launch client projects on schedule and within budget.
- Contributed to the development and delivery of many client projects including internal web apps for custom business workflow, enterprise-grade higher education public web sites, and interactive data explorers. URL's for some of the projects:
 - <http://researchit.illinois.edu>
 - <http://taxonworks.org>
 - <http://ahs.uic.edu>
 - <http://red.uic.edu>
 - <https://github.com/CARLI/select> (source code only as this is an internal app)

Software Developer, Wolfram Research – Aug 2007 - Dec 2013 – Champaign, IL

- Member of the core Wolfram|Alpha web site team, launched the site in 2009.
- Implemented the "sketches" home page of www.wolframalpha.com.
(<https://web.archive.org/web/20130601044220/http://www.wolframalpha.com:80/>)
- Lead developer on two-year Wolfram|Alpha Developer Portal project including a builder for customized embeddable web calculators.
- Two years as lead developer and maintainer of the W|A API serving millions of requests a day to clients such as Siri, Samsung, and Blackberry.
- Took initiative to start code reviews and inter-departmental "tech talks".
- Trained and mentored numerous junior-level developers.

High School Instructor, International School – Aug 2003 - Aug 2007 – Tegucigalpa, Honduras

- Designed curriculum for and taught high school level computer science classes.
- Developed an internal portal site for teachers using PHP and MySQL.

Developer, Board of Light and Power – Dec 2002 - Jun 2003 – Grand Haven, MI

- Designed and implemented a computerized training program for new employees.

Conferences

U of I Web Con 2015 - Presenter, "*Node.js Tools for Modern Browser Development*"

U of I Web Con 2016 - Workshop Presenter, "*Practical Web API Design*"

O'Reilly Software Architecture Conference Oct 2016, San Francisco - Attendee

Education

Hope College - B.S. in Computer Science

Graduated, cum laude, in 2002